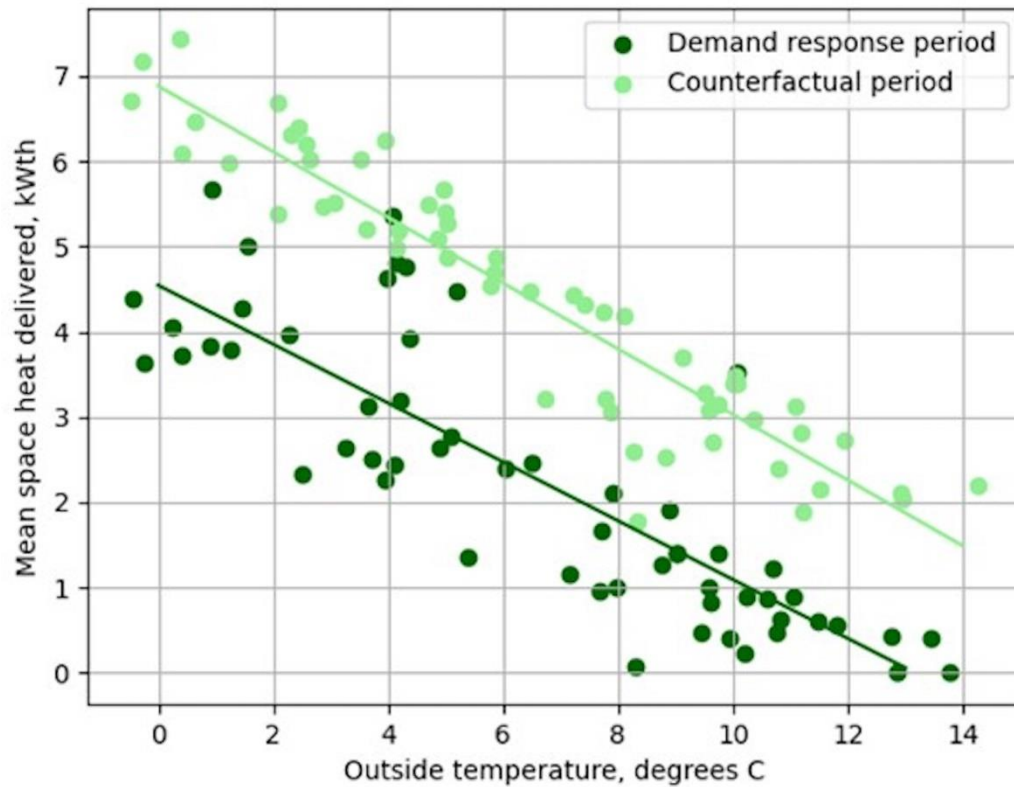


## Appendix 1

Figure 1, Figure 2 and Figure 3 supplement the extra analysis described in Section 4.2 to estimate heat pump electricity consumption in house C where the current clamp did not log properly during the trial period.

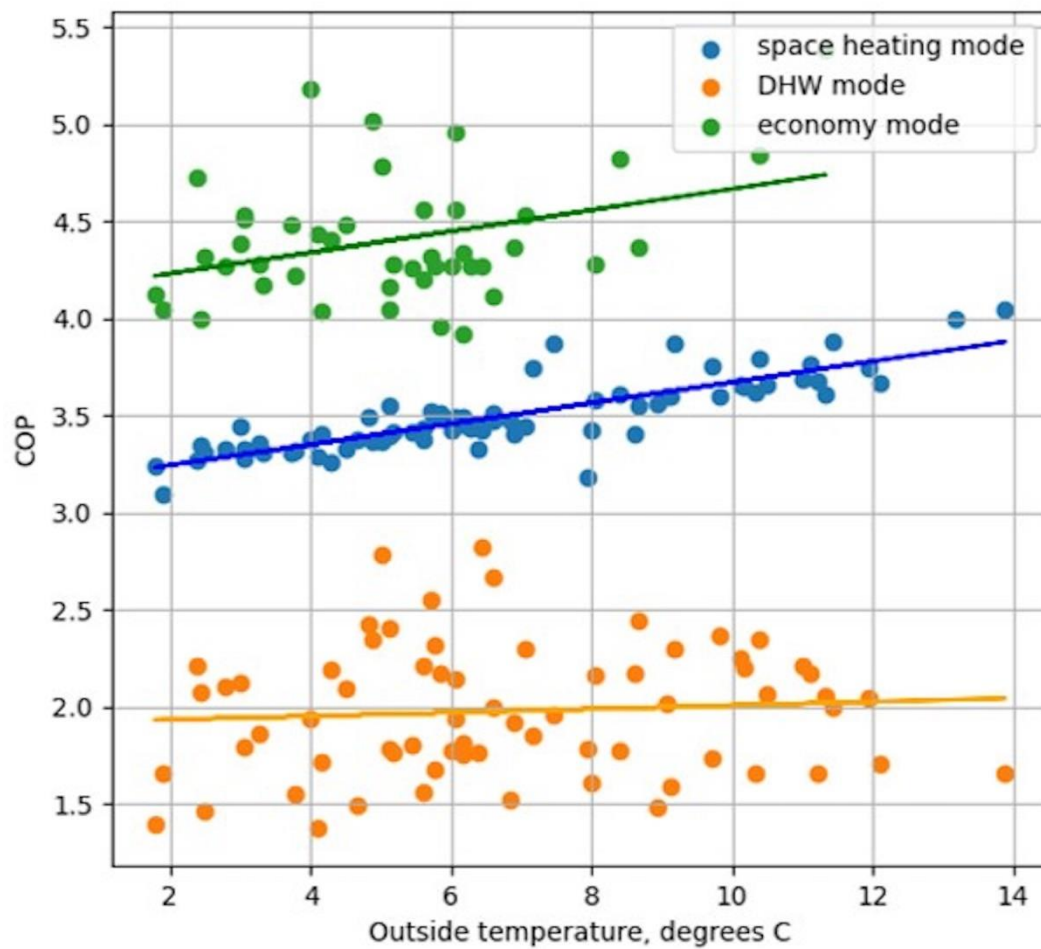
[insert Figure 4.]

*Figure 1. Heat pump heat output, house C.*



[insert Figure 5.]

*Figure 2. Empirical relationships between COP and outdoor temperature for different heat pump modes, house C, winter 2021/22.*



[insert Figure 6.]

Figure 3. Monitored electricity consumption, house C heat pump, example winter day (16/17 January 2022).



## Figures

- Figure 4. Heat pump heat output, house C..... 1
- Figure 5. Empirical relationships between COP and outdoor temperature for different heat pump modes, house C, winter 2021/22..... 1
- Figure 6. Monitored electricity consumption, house C heat pump, example winter day (16/17 January 2022)..... 2

